

Options // Turbotron



Transducers, AI

Your advantages

Series	AI
	Instead of the pulse signal, an analogue current signal 4...20 mA is provided by installing an internal transducer onto the suitable flow sensor

Technical data

Output signal	4...20 mA
Accuracy	±1.25 % of reading*
Current limit	Approx. 26 mA
Scaling	Different flow ranges, see order code flow sensor other scaling possible from 10 pieces and above
Power supply	18...30 VDC
Max. current consumption	30 mA
Max. burden	250 Ω against GND
Residual ripple	0.2 mA (peak to peak) over the entire range
Type	3 wire, galvanically not separated, common GND of power supply and output signal
Electrical connection	4 pin plug connector, M12 x 1
Degree of protection EN 60529	IP54
Max. medium temperature	Dependent on the maximum temperature of the used flow sensor, not exceeding 80 °C
Casing material	Plastic PA
Order code	See order code series VT

* Additionally to respective accuracy of turbine flow sensor



Flow monitors, VE

Your advantages

Series	VE
	Wide set point range and precise set point adjustment Safe monitoring of lowest flow rates, fail safe Optical signalling by 2 LEDs

Technical data	DN 15	DN 25	DN 40
Set point range (with decreasing flow) / accuracy	0.5...29.5 l/min / $\pm 2\%$ of set point + accuracy of turbine flow sensor	3...100 l/min / $\pm 4\%$ of set point + accuracy of turbine flow sensor	7...275 l/min / $\pm 6\%$ of set point + accuracy of turbine flow sensor
Set point adjustment	16 different set points selectable		
Output / max. contact rating	Only switching output: Electrically insulated contact, opens in the case of lack of flow Max. contact rating 125 VAC / DC, 100 mA Switching output and pulse output Switching output against power supply Max. contact rating 100 mA Pulse output: flow-proportional frequency signal NPN, max. 100 mA		
Switching hysteresis	0.5 l/min	2...5 l/min	3...35 l/min
Power supply	12...24 VDC		
Current consumption	Max. 25 mA		
Degree of protection	IP54 with closed sleeve and connected socket		
Casing	Plastic PA, transparent		
Display, internal	LED yellow = ok, LED red = alarm		
Max. medium temperature	Dependent on the maximum temperature of the used flow sensor, not exceeding 80 °C		
Electrical connection	4 pin plug connector, M12 x 1		
Order code	See order code series VT		

Set points VT..15..VE (DN 15)

Switch position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Set point (l/min)* decreasing flow	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.5	5.5	7.5	9.5	11.5	15.5	19.5	24.5	29.5
Set point (l/min)* increasing flow	0.5 l/min over the set point decreasing flow															

Set points VT..25..VE (DN 25)

Switch position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Set point (l/min)* decreasing flow	3	5	6	8	10	12	15	18	20	25	30	35	40	50	70	100
Set point (l/min)* increasing flow	5	7	8	10	12	14	17	20	22	27	33	38	44	55	75	105

Set points VT..40..VE (DN 40)

Switch position	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Set point (l/min)* decreasing flow	7	10	15	20	25	30	35	40	50	65	80	100	130	160	200	275
Set point (l/min)* increasing flow	10	13	19	24	30	35	40	47	58	75	90	115	150	190	230	310

* The specified values refer to operation with water at 20 °C. Monitoring of fluids with higher viscosities is possible with the effect of deviations from the mentioned values. If you order at least 25 units, individual set point tables can be implemented.

